

DEPARTMENT OF THE NAVY
HRMC (NMD)



YRBM 53 (RMC 22807)

SPECIFICATIONS FOR WORK TO BE ACCOMPLISHED

SPECIFICATION NUMBER: HRMC-HM&E-19-0009

INCLUDES ALL CHANGES THROUGH 4/18/2019

INDEX

ITEMS THAT ARE STRUCK OUT IN THIS INDEX DO NOT APPLY TO THIS CONTRACT.

CATEGORY I. FY-20 STANDARD ITEMS APPLICABLE TO THIS JOB ORDER WITHOUT FURTHER REFERENCE.

<u>ITEM NO.</u>	<u>TITLE</u>	<u>CHANGE DATE</u>	<u>CHANGE</u>
009-01	General Criteria; accomplish	10/01/2018	Original
009-02	Environmental Compliance Report for Material Usage; accomplish	04/30/2018	Original
009-03	Toxic and Hazardous Substance; control	10/01/2017	Original
009-04	Quality Management System; provide	10/01/2018	Original
009-06	Maintaining Protection and Cleanliness from Non-Radioactive Operations; accomplish	08/31/2018	Original
009-07	Confined Space Entry, Certification, Fire Prevention and Housekeeping; accomplish	10/01/2018	Original
009-08	Shipboard Fire Protection and Fire Prevention; accomplish	08/31/2018	Original
009-10	Asbestos-Containing Material (ACM); control	04/30/2018	Original
009-18	Mine Warfare Ships Magnetic Material; control	04/30/2018	Original
009-19	Provisioning Technical Documentation (PTD); provide	10/01/2018	Original
009-20	Government Property; control	10/01/2017	Original
009-21	Logistics and Technical Data; provide	10/01/2018	Original
009-23	Interference; remove and install	10/01/2018	Original
009-24	Authorization, Control, Isolation, Blanking, Tagging, and Cleanliness; accomplish	10/01/2018	Original
009-34	Fire Protection of Unmanned Vessel at Contractor Facility; accomplish	10/01/2018	Original
009-39	Technical Manual Contract Requirement (TMCR) for a New Technical Manual for Commercial Equipment/Component; accomplish	10/01/2018	Original
009-40	Contractor Crane, Multi-Purpose Machine and Material Handling Equipment at a Naval Facility; provide	10/01/2018	Original
009-60	Schedule and Associated Reports for Availabilities Over 9 Weeks in Duration; provide and manage	10/01/2018	Original
009-61	Shipboard Use of Fluorocarbons; control	07/18/2014	Original
009-67	Integrated Total Ship Testing; manage	04/30/2018	Original
009-69	Heavy Weather/Mooring Plan; provide	04/30/2018	Original
009-70	Confined Space Entry, Certification, Fire Protection, Fire Prevention and Housekeeping for Unmanned Vessels; accomplish	10/01/2018	Original
009-72	Physical Security at a Private Contractor Facility; accomplish	08/31/2018	Original
009-73	Shipboard Electrical/Electronic Cable Procedure; inspect, test, install, remove, and repair	10/01/2018	Original
009-74	Occupational, Safety and Health Plan; accomplish	10/01/2018	Original
009-80	Ship Facilities; maintain	11/18/2016	Original
009-81	Compartment Closeout; accomplish	08/31/2018	Original
009-82	Installation of Equal Component Vice Specified Component; report	03/26/2018	Original
009-84	Threaded Fastener Requirements; accomplish	10/01/2018	Original
009-93	Emergency Planning and Community Right-to-Know Act (EPCRA) and Pollution Prevention Act (PPA) Information; provide	03/06/2018	Original
009-99	Ship Departure Report; provide	07/18/2014	Original
009-100	Ship's Stability; maintain	03/06/2018	Original

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<u>ITEM NO.</u>	<u>TITLE</u>	<u>CHANGE DATE</u>	<u>CHANGE</u>
009-101	Ship Transit and Berthing; accomplish	03/26/2018	Original
009-106	Work Authorization Form Coordinator (WAFCOR); provide	10/01/2017	Original
009-109	Non-SUBSAFE Work on SUBSAFE Certified Vessel; accomplish	10/01/2017	Original
009-110	Non-Nuclear Work on a Nuclear Vessel; accomplish	11/18/2016	Original
009-111	Schedule and Associated Reports for Availabilities 9 Weeks or Less in Duration; provide and manage	04/30/2018	Original
009-117	Combat Systems, Light Off Support; provide	08/31/2018	Original
009-118	CG Deck Loading; accomplish	07/18/2014	Original
009-120	Fact Finding and Critique of Unplanned Event; manage	03/06/2018	Original
009-122	Temporary Padeye; install and remove	10/01/2018	Original

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CATEGORY II. FY-20 STANDARD ITEMS WHICH MAY BE INVOKED IN THE WORK ITEMS OF THIS JOB ORDER

<u>ITEM NO.</u>	<u>TITLE</u>	<u>CHANGE DATE</u>	<u>CHANGE</u>
009-09	Process Control Procedure (PCP); provide and accomplish	10/01/2018	Original
009-12	Weld, Fabricate, and Inspect; accomplish	10/01/2018	Original
009-15	Rotating Machinery; balance	11/18/2016	Original
009-17	Rotating Electrical Equipment; repair	08/31/2018	Original
009-25	Structural Boundary Test; accomplish	10/01/2018	Original
009-32	Cleaning and Painting Requirements; accomplish	03/26/2018	Original
009-36	Controller; repair	08/31/2018	Original
009-71	Piping System; test	08/31/2018	Original
009-88	Collection, Holding and Transfer (CHT) and Motor Gasoline (MOGAS) Tanks, Spaces, and Piping, including Sewage or MOGAS-Contaminated Tanks, Spaces, and Piping; certify	11/18/2016	Original

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<u>ITEM NO.</u>	<u>TITLE</u>
077-11-001	Hazardous Waste Produced on Naval Vessels; control
167-11-001	Watertight Scuttle; replace
332-11-001	Light Fixtures; replace
512-11-001	Exhaust Vent Fans, F-4, F-5 and F-8; repair
514-11-001	Air Handling Unit No.2; replace
514-11-002	A/C Condensing Unit Compressors; replace
521-11-001	Firemain System; inspect and test
582-28-001	Mooring Lines; replace
593-11-001	No. One CHT and 2 Sewage Pump MACHALT 593-53013; install
593-11-002	Collection Holding Tank, Components; replace and preserve
602-11-001	Barge Logo; replace
603-11-001	Accommodation Ladder, Winch; test, certify, and replace
612-11-001	Stanchions, Liferails, Lifelines; replace

SHIP: YRBM 53 (RMC 22807)

ITEM NO: 077-11-001

COAR: 28

PCN: SERV-L001
SERV-L013

CMP: NONE

PLANNER: (b) (6)
(b) (6)

1. SCOPE:

1.1 Title: Hazardous Waste Produced on Naval Vessels; control

1.2 Location of Work:

1.2.1 Throughout the Ship

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

2.1 Standard Items, (FY-20)

2.2 Resource Conservation and Recovery Act (RCRA)

2.3 Federal Hazardous Materials Transportation Act, 49 U.S.C. 5103

2.4 Applicable Hazardous Waste Manifest Form

2.5 10 U.S.C. 7311

3. REQUIREMENTS:

3.1 Manage and dispose of all hazardous waste in accordance with 2.2 through 2.5.

3.2 Hazardous waste, as identified in 2.2, expected to be produced during performance of this Job Order: NONE.

3.3 Nothing contained in this Work Item shall relieve the contractor from complying with applicable federal, state, and local laws, codes, ordinances, and regulations, including the obtaining of licenses and permits in connection with hazardous waste handling and disposal in the performance of this contract.

4. NOTES:

4.1 The contractor is expected to use best management practice to identify and dispose of all hazardous waste.

4.2 Hazardous wastes are determined by one or more of the following methods:

4.2.1 Chemical analysis which shows that the material characteristics of ignitability, corrosivity, reactivity, and/or toxicity (Toxicity Characteristic Leachate Procedure - TCLP) exceed the limits for that material in 40 CFR 261.20 Subpart C.

4.2.2 Reference to a Material Safety Data Sheet (MSDS), or manufacturer's information.

4.2.3 Applying knowledge of the hazardous characteristics of the waste in light of the materials or the process used.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

SHIP: YRBM 53 (RMC 22807)

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: YRBM 53 (RMC 22807)

ITEM NO: 167-11-001

COAR: 28

PCN: SERV-L010
SERV-L016

CMP: NONE

PLANNER: (b) (6)

1. SCOPE:

1.1 Title: Watertight Scuttle; replace

1.2 Location of Work:

1.2.1 Main Deck, Frame 47, Starboard

1.3 Identification:

1.3.1 Quantity (One EA), Scuttle QAWT, 21" DIA, Item No. 201 of 2.2, Scuttle No. 1-47-3

2. REFERENCES:

2.1 Standard Items, (FY-20)

2.2 167-6831736 Rev B, Schedule of Openings

2.3 101-6831721 Rev C, Bottom & Main Deck Scantling Plans

2.4 805-1623944 Rev J, Scuttle, WTQA

3. REQUIREMENTS:

3.1 Remove existing and install new one each watertight scuttle located in 1.2, and identified in 1.3, in accordance with 2.2, using 2.3 and 2.4 for guidance.

3.1.1 Template exact size, configuration, and location from existing shipboard conditions.

3.1.2 Chip and grind surfaces flush in way of repairs.

3.2 Accomplish the requirements of 009-12 of 2.1, including Table 3, Column A, Lines One through 7, for new installations.

(V) (G) "CHALK TEST"

3.3 Accomplish the requirements of 009-25 of 2.1 for a chalk test of the newly installed watertight scuttle accomplished in 3.1. Chalk imprint shall be centered with 100 percent contact.

(V) (G) "OPERATIONAL TEST"

3.4 Accomplish an operational test of the newly installed scuttle. Cycle open and close through four complete cycles using minimum effort to dog and undog the scuttle. Allowable sticking or binding: None.

(V) (G) "AIR TEST"

3.5 Accomplish the requirements of 009-25 of 2.1 for air hose test of the newly installed watertight scuttle's new welds and or insert. Allowable leakage: None.

3.6 Accomplish the requirements of 009-32 of 2.1 for all new and disturbed surfaces.

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4. NOTES:

5. GOVERNMENT FURNISHED MATERIAL (GFM) :

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: YRBM 53 (RMC 22807)

ITEM NO: 332-11-001

COAR: 28

PCN: SERV-L004

CMP: NONE

PLANNER: (b) (6)
(b) (6)

1. SCOPE:

1.1 Title: Light Fixtures; replace

1.2 Location of Work:

1.2.1 03 Level, Frame FR 35-70, Overhead MWR Area

1.3 Identification:

1.3.1 Quantity: (16 EA), Outdoor rated 4-foot LED light fixtures, 120VAC/60Hz.

2. REFERENCES:

2.1 Standard Items, (FY-20)

2.2 302-6907699 Rev A, PWR/LTG One-Line Diagram

2.3 DOD-HDBK-289 (SH), Lighting On Naval Ships

2.4 YRBM 52, General Arrgt 03 Level

3. REQUIREMENTS:

3.1 Remove existing lighting and install new LED lighting listed in 1.3.1, using 2.2, and 2.4 for guidance. Installation shall be in accordance with 2.3.

3.1.1 New LED lights shall be mounted in the overhead Canopy Framing, above each light removed in 3.1.

3.1.2 Remove existing deteriorated steel mounting devices, including light fixture support cabling, and replace with new CRES mounting devices and new CRES light fixture support cabling.

3.1.3 Remove existing electrical cabling and connection boxes, and install new. Cabling shall be replaced from each light switch to each new light fixture.

3.2 Remove existing and install new MWR Canopy and Canopy framing, template new from existing, in accordance with 2.4, and for the location listed in 1.2.1.

3.2.1 New Canopy and canopy framing material shall be equal to existing.

3.2.2 All threaded fasteners shall be corrosion resistant steel (CRES), ASTM A276, Type 3167.

(V) (G) "LIGHTING OPERATIONAL TEST"

3.3 Accomplish an operational test of the newly installed LED lighting fixtures. New Lighting fixtures shall illuminate in accordance with the manufacturer's instructions and meet the illumination requirements of 2.3.

3.4 Accomplish the requirements of 009-32 of 2.1 for each new and disturbed surface.

SHIP: YRBM 53 (RMC 22807)

4. NOTES:

4.1 Canopy, BIG TOP Manufacturing, WWW.BIGTOPSHELTERS.COM or equal.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: YRBM 53 (RMC 22807)

ITEM NO: 512-11-001

COAR: 28

PCN: SERV-L002
PE17-L005

CMP: NONE

PLANNER: (b) (6)
(b) (6)

1. SCOPE:

1.1 Title: Exhaust Vent Fans, F-4, F-5 and F-8; repair

1.2 Location of Work:

1.2.1 Fan Room (03-38-0-Q)

1.3 Identification:

1.3.1 Quantity: (One EA), Exhaust Vaneaxial Fan, F-4, Fan Model: MVB 21BJ3, H.P: 2.0, 450VAC, 3 Phase

1.3.2 Quantity: (One EA), Exhaust Vaneaxial Fan, F-5, Model: MDA, 24DL3, H.P: 5.0, 450VAC, 3 Phase

1.3.3 Quantity: (One EA), Exhaust Vaneaxial Fan, F-8, Model: MVB, 18BL3, H.P: 5.0, 450VAC, 3 Phase

2. REFERENCES:

2.1 Standard Items, (FY-20)

2.2 302-7645224, HVAC POWER UPGRADE

2.3 501-7645230, HVAC INSTALLATION 03 LEVEL

3. REQUIREMENTS:

3.1 Accomplish the requirements of 009-17 of 2.1, for the equipment listed in 1.3, located in 1.2.1, in accordance with the requirements of 1.3.2 and 1.3.3.

3.1.1 Accomplish the requirements of 009-32 of 2.1, including Table 5 Line 9, for the exterior of motor stator, interior and exterior of each end bell, exterior and interior surface of the vent fan housing, connection box, connection box cover, and fan blades.

3.1.2 Accomplish the requirements of 009-15 of 2.1, for each rotating assembly.

3.1.3 Install new mounting fasteners conforming to MIL-DTL-1222, Type I, Grade 316L, CRES.

3.2 Accomplish the requirements of 009-32 of 2.1 for new and disturbed surfaces.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

SHIP:

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5.3 KITTED MATERIAL:

1. None.

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ITEM NO: 514-11-001

COAR: 28

PCN: SERV-L014

CMP: NONE

PLANNER: (b) (6)
(b) (6)

1. SCOPE:

1.1 Title: Air Handling Unit No.2; replace

1.2 Location of Work:

1.2.1 Passageway (01-8-2-L), Fr 33/34

1.3 Identification:

1.3.1 Quantity: (One EA), Air Handling Unit No. 2, Model: 39LF06,
Size: 12.5 Tons, Mfr: CARRIER CORP.

2. REFERENCES:

2.1 Standard Items, (FY-20)

2.2 501-1007-SK-1, A/C System Diagram

2.3 501-1007-SK-4, ARR and Install AHU'S

2.4 502-1007-SK-5, Piping Modifications Air Handling Units

2.5 113-1007-SK-6, FDN INCDT AHU

2.6 xxx-1007-SK-7, Miscellaneous HVAC Power System MODS

3. REQUIREMENTS:

3.1 Remove existing and install new Air Handling Unit Listed in 1.3.1,
in accordance with the requirements of 2.2 through 2.6. See Note 4.1.

3.1.1 Install new hardware in accordance with the requirements of
2.2 through 2.6

3.2 Accomplish an operational test of the newly installed Air Handling
Unit listed in 1.3.1, in accordance with 2.2 through 2.6 and the
manufacturer's instructions.

4. NOTES:

4.1 Existing Air Handling Unit AHU-2 is defective and requires
replacement.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

	TOTAL QUANTITY PROVIDED	NAME Of PART	PIECE NO.	REF NO.	NATIONAL STOCK NO.	REQ PARA NO.
1.	1 EA	Air Handling Unit	AHU-2	2.2		3.1

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: YRBM 53 (RMC 22807)

ITEM NO: 514-11-002

COAR: 28

PCN: SERV-L026
SERV-L027
SERV-L025

CMP: NONE

PLANNER: (b) (6)
(b) (6)

1. SCOPE:

1.1 Title: A/C Condensing Unit Compressors; replace

1.2 Location of Work:

1.2.1 03 Level

1.3 Identification:

1.3.1 Quantity (One EA), No.2 Air Condensing Unit, Compressor Model #ZP103KCE-TFD-250

1.3.2 Quantity (One EA), No.6 Air Condensing Unit, Compressor Model #ZP137KCE-TFD-250

1.3.3 Quantity (One EA), No.8 Air Condensing Unit, Compressor Model #ZP103KCE-TFD-250

2. REFERENCES:

2.1 Standard Items, (FY-20)

3. REQUIREMENTS:

3.1 Obtain the services of a qualified technical representative to inspect and repair the equipment listed in 1.3 for damage, wear, and defects and provide parts and technical guidance to accomplish repairs.

3.2 Submit one legible copy, in approved transferrable media, of a report listing results of the requirements of 3.1 to the SUPERVISOR.

3.2.1 Remove and dispose of oil and water in accordance with federal, state, and local laws, codes, ordinances, and regulations.

3.2.2 Chemically and mechanically clean parts disassembled without causing harm or deterioration.

3.2.3 Inspect each part for wear and defects. Submit one legible copy, in approved transferrable media, of a report documenting any defective parts to the SUPERVISOR.

3.2.4 Remove existing and install new equipment listed in 1.3, in accordance with manufacturer's instructions and as directed by the SUPERVISOR.

3.2.4.1 Compressor replacement, shall also require the evacuation of existing and recharging of new refrigerant.

3.2.4.2 Accomplish the requirements of 009-12 of 2.1, Table One, Column B, Lines One through 10.

3.2.4.3 Using dry nitrogen, pressurize system to 150 PSI and check for leaks. Ensure system has zero leakage prior to recharging refrigerant and starting up equipment listed in 1.3.

3.3 Replenish system fluids of the equipment listed in 1.3 to the proper operating levels in accordance with manufacturer's operating manual.

(V) (G) "OPERATIONAL TEST"

3.4 Accomplish an operational test on the equipment listed in 1.3 under normal operating conditions. Plant shall operate within, and maintain the parameters of optimum performance listed in manufacturer's operating manual.

3.4.1 Submit one legible copy, in approved transferrable media, of a report listing the results of the requirements of 3.4 to the SUPERVISOR within 48 hours of accomplishment.

3.5 Accomplish the requirements of 009-32 of 2.1 for new and disturbed surfaces.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: YRBM 53 (RMC 22807)

ITEM NO: 521-11-001

COAR: 28

PCN: SERV-L006

CMP: NONE

PLANNER: (b) (6)
(b) (6)

1. SCOPE:

1.1 Title: Firemain System; inspect and test

1.2 Location of Work:

1.2.1 Throughout the Ship

1.3 Identification:

1.3.1 Quantity (One EA): Firemain System

2. REFERENCES:

2.1 Standard Items, (FY-20)

2.2 521-6831705 Rev E, Firemain System

3. REQUIREMENTS:

3.1 Accomplish an inspection of the firemain system listed in 1.3, located in 1.2, using 2.2 for guidance.

3.1.1 Ensure all valves have label plates in accordance with 2.2.

3.1.2 Ensure all piping and firemain system components are labeled in accordance with 2.2.

3.2 Accomplish the requirements of 009-71 of 2.1 for new and disturbed firemain system listed in 1.3.

3.2.1 Ensure hydrostatic test pressure is 150 PSIG, using clean, fresh water in accordance with 009-71 of 2.1, paragraph 3.1.6.

3.3 Accomplish the requirements of 009-32 of 2.1 for each new and disturbed surface.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: YRBM 53 (RMC 22807)

ITEM NO: 582-28-001

COAR: 28

PCN: SERV-L007

CMP: NONE

PLANNER: (b) (6)

1. SCOPE:

1.1 Title: Mooring Lines; replace

1.2 Location of Work:

1.2.1 Throughout the Ship

1.3 Identification:

1.3.1 Quantity (4 EA): High Modulus Polyethylene (HMPE) mooring lines, Brand: Samson Rope, Type: Quantum - 12, Length: 150 feet long

1.3.2 Quantity (8 EA): High Modulus Polyethylene (HMPE) mooring lines, Brand: Samson Rope, Type: Quantum - 12, Length: 120 feet long

2. REFERENCES:

2.1 Standard Items, (FY-20)

3. REQUIREMENTS:

3.1 Accomplish the requirements to replace with new a total of 12 each mooring lines, listed in 1.3, located in 1.2, with new High Modulus Polyethylene (HMPE) mooring lines.

3.1.1 New lines shall be blue or black in color, have 6 feet eyes, 1.5" diameter or 4.75 circ-removable chafing for eyes, and removable chafing 10 feet beyond eyes.

3.1.1.1 Eyes of new lines shall be load tested to 1/3 of the minimum breaking strength and shall have all certifications affixed to the rope.

3.2 Coordinate turn over and or disposal of the existing mooring lines with the SUPERVISOR.

4. NOTES:

4.1 Possible source for mooring lines:

1) www.samsonrope.com

2) Coordinated Wire Rope of Hawaii, Inc.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: YRBM 53 (RMC 22807)

ITEM NO: 593-11-001

COAR: 28

PCN: SERV-L005

CMP: NONE

PLANNER: (b) (6)
(b) (6)

1. SCOPE:

1.1 Title: No. One CHT and 2 Sewage Pump MACHALT 593-53013; install

1.2 Location of Work:

1.2.1 CHT Pump Room (2-36-2-E)

1.3 Identification:

1.3.1 Quantity: (One EA), Number One and 2 CHT Sewage Pump, Mfr. Peabody Barnes, Inc., Model NSS3131-7-5, 100 GPM, Close-Coupled

1.3.2 Quantity: (One EA), Number One and 2 CHT Sewage Pump Motor, Mfr. General Electric, 7.5 HP, 440 Volts, 3 Phase, 60 Hz, 10.7 Amps, 1745 RPM, Frame 215TNCZ, Model 5K215NN6705, Close-Coupled.

1.3.3 Quantity: (One EA), Duplex Controller, MAG, LVP, SZ: One, 440VAC, 60HZ, 1SPD

2. REFERENCES:

2.1 Standard Items, (FY-20)

2.2 S9086-T8-STM-010/CH-593, Pollution Control

2.3 S6226-R9-OMI-020, SEWAGE TRANSFER SYSTEM MODEL NSS3131-7-5

2.4 593-53013, MACHALT 593-53013, NSS SEWAGE TRANSFER PUMP CARTRIDGE PRESSURIZED MECHANICAL SEAL

2.5 302-8429216, PWR SYS MOD INCDT TO CHT SYSTEM UPGRADE

3. REQUIREMENTS:

3.1 Accomplish the requirements of 009-88 of 2.1, for the equipment listed in 1.3, and for the location identified in 1.2.

3.1.1 Accomplish the requirements of 009-09 of 2.1.

3.2 Disinfect the equipment listed in 1.3.1 and 1.3.2 prior to accomplishing the work required by this work item, for the location listed in 1.2.1, in accordance with the requirements of 2.2 and 2.3

3.3 Remove and disassemble the equipment listed in 1.3.1, in accordance with the requirements 2.3.

3.3.1 Clean exposed parts free of foreign matter leaving no residue or injurious effects.

3.3.2 Inspect each part for wear and defects.

3.3.2.1 Measure and record sizes and clearances.

3.3.2.2 Include sizes and clearances for wearing parts, bearing surfaces, thrust and journal bearings, seal and packing areas, and physical conditions of parts not specified for renewal.

3.3.2.3 Submit one legible copy, in approved transferable media, of a report listing results of the requirements of 3.3.2 through 3.3.2.2 to the SUPERVISOR.

3.4 Accomplish the requirements of 2.4, for the equipment listed in 1.3.1, and the location identified in 1.2, in accordance with the requirements of 2.3.

3.5 Accomplish the requirements of 009-17 of 2.1, for the equipment listed in 1.3.2, in accordance with the requirements of 2.3.

3.5.1 Straighten each shaft to within 0.002 inch total indicator reading.

3.5.2 Accomplish the requirements of 009-32 of 2.1, including Table 5 Line 9, for the exterior of motor stator, interior and exterior of each end bell, connection box, and connection box cover.

3.5.3 Accomplish the requirements of 009-15 of 2.1, for each rotating assembly.

3.5.4 Install new mounting fasteners conforming to MIL-DTL-1222, Type I, Grade 316L, CRES.

3.6 Accomplish the requirements of 009-36 of 2.1, for the equipment listed in 1.3.3, for the location identified in 1.2.1, in accordance with the requirements of 2.5 and the manufacturer's instructions.

3.6.1 Accomplish a complete wire hook-up check of the CHT Relay Box, insure all external cables are connected in accordance with page 3, zone 19-D of 2.5.

(V) (G) " "HYDROSTATIC TEST""

3.7 Accomplish a hydrostatic test of the equipment listed in 1.3 and associated piping, in accordance with 2.3. Allowable leakage: None.

(V) (G) "OPERATIONAL TEST"

3.8 Accomplish an operational test of the equipment listed in 1.3, for 1/2 hour. Verify proper direction of rotation. Measure and record motor current and voltage. Measure hot insulation resistances of winding to ground immediately upon completion of the operational shop test, using a 500-volt megger. Record data.

3.8.1 Accomplish an operational test of the equipment listed in 1.3, in accordance with the "Description of Operation", listed on sheet 4 of 2.5. Insure completion of 3 complete "Alternator" cycles, demonstrating automatic alternate duty and stand-by pumps, with each start and stop operation.

3.8.2 Submit one legible copy, in approved transferrable media, of a report listing results of the requirements of 3.8 to the SUPERVISOR.

3.9 Accomplish the requirements of 009-32 of 2.1 for new and disturbed surfaces.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

SHIP: YRBM 53 (RMC 22807)

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: YRBM 53 (RMC 22807)

ITEM NO: 593-11-002

COAR: 28

PCN: SERV-L008

CMP: NONE

PLANNER: (b) (6)
(b) (6)

1. SCOPE:

1.1 Title: Collection Holding Tank, Components; replace and preserve

1.2 Location of Work:

1.2.1 CHT Pump Room (2-36-2-E)

1.3 Identification:

1.3.1 Quantity (One EA): Overflow Strainer (Item F-37 of 2.4)

1.3.2 Quantity (2 EA): 4" Inflow Strainers (Item F-12 of 2.4)

1.3.3 Quantity (4 EA): Level Control Sensor (Item F-31 of 2.4)

2. REFERENCES:

2.1 Standard Items, (FY-20)

2.2 DOL, OSHA STD 29 CFR 1915, Control of Explosives and Other Dangerous Atmospheres

2.3 S9086-T8-STM-010/CH-593, Pollution Control

2.4 505-6907753 Rev B, CHT Sewage System Tank, Machinery & Piping 2nd Deck

2.5 593-66012, Mach Alt ECP No.532

3. REQUIREMENTS:

3.1 Accomplish the requirements of 009-88 of 2.1 for preservation of the Collection Holding Tank (CHT) and replacement of associated components, identified in 1.3, located in 1.2, in accordance with 2.2 through 2.5.

3.1.1 Accomplish and provide the requirements of 009-09 of 2.1 for a step-by-step procedure on how all work and repairs shall be accomplished and certified.

(V) (G) "START OF PROCEDURE"

3.1.1.1 Accomplish a briefing with all parties involved and with the SUPERVISOR present, to verify necessary parts and equipment is on hand to start work.

3.2 Accomplish the cleaning of the CHT tank located in 1.2.1. The CHT Tank shall be cleaned free of liquids, grease, oils, dirt, dust, and debris prior to reinstallation.

3.2.1 Coordinate the sampling and lab analysis of waste water and/or sludge via the SUPERVISOR. Upon receipt of satisfactory lab analysis, contractor to commercially dispose of waste water and/or sludge generated.

3.2.1.1 Provide storage of waste water and/or sludge pier side for a total of 45 days while awaiting lab analysis results.

3.2.2 Upon completion of cleaning, accomplish an inspection of 100%

of CHT tank interior.

3.2.2.1 Submit one legible copy, in approved transferrable media, of a report listing the results of 3.2.1 to the SUPERVISOR within 24 hours of completed inspection. Report shall include at a minimum, overall tank condition, signs of corrosion, conditions of welded seams.

3.3 Install new strainers and sensors (including gaskets and hardware), identified in 1.3, located in 1.2, in accordance with 2.4 and 2.5.

3.3.1 Ensure newly exposed flange faces are smooth and flush prior to the installation of equipment listed in 1.3.3.

3.4 Accomplish the requirements of 009-32 of 2.1 including Table 4, Line 16, for preservation of CHT tank interior.

(V) (G) "OPERATIONAL TEST"

3.5 Accomplish an operational test of the CHT Tank system with all new equipment installed, identified in 1.3, to ensure that equipment functions to designed sequence of operation in conjunction with all associated alarms located throughout CHT Room, Main Deck and Quarterdeck using 2.4 and 2.5 for guidance. Coordinate with the Barge Program to ensure both Sewage Pumps is operational.

3.5.1 Submit one legible copy, in approved transferrable media, of a report listing the results of 3.5 to the SUPERVISOR.

3.6 Upon notification by the SUPERVISOR, reinstall and secure the manhole covers to the CHT Tank located in 1.2. Reuse existing fasteners.

3.6.1 Install new gaskets conforming to MIL-PRF-1149.

3.7 Accomplish the requirements of 009-32 of 2.1 for new and disturbed surfaces to match surrounding areas.

4. NOTES:

4.1 Contractor to make note of bolt hole orientation of existing level control sensor flanges prior to procuring new.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: YRBM 53 (RMC 22807)

ITEM NO: 602-11-001

COAR: 28

PCN: SERV-L028

CMP: NONE

PLANNER: (b) (6)
(b) (6)

1. SCOPE:

1.1 Title: Barge Logo; replace

1.2 Location of Work:

1.2.1 02 Level Starboard

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

2.1 Standard Items, (FY-20)

3. REQUIREMENTS:

3.1 Accomplish the replacement of barge logo, located in 1.2.

3.1.1 Contractor to ensure that existing logo is completely removed prior to installation of new logo.

(V) (G) "VISUAL INSPECTION"

3.1.2 Contractor to ensure new logo is aligned and straight prior to affixing permanently.

3.2 Accomplish the requirements of 009-32 of 2.1 for each new and disturbed surface.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM) :

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: YRBM 53 (RMC 22807)

ITEM NO: 603-11-001

COAR: 28

PCN: SERV-L012

CMP: NONE

PLANNER: (b) (6)

1. SCOPE:

1.1 Title: Accommodation Ladder, Winch; test, certify, and replace

1.2 Location of Work:

1.2.1 01 Level, Exterior, Starboard, Frame 16

1.2.2 03 Level

1.3 Identification:

1.3.1 Quantity (One EA): Accommodation Ladder Assembly

1.3.2 Quantity (One EA): Electric Chain Hoist, Lodestar Model L Classic, Item 1 of 2.2

1.3.3 Quantity (One EA): 5/8" Anchor Shackle w/ Safety Pin, CRES TY-316, McMaster-Carr 4000# Capacity, Item 3 of 2.2.

2. REFERENCES:

2.1 Standard Items, (FY-20)

2.2 603-8577270, Accommodation Ladder Upgrade Hoist Conversion

2.3 803-1645271 Rev E, Load Handling Davits 500 to 2500 Pounds Aluminum and Steel

2.4 803-5817985, Test Memorandum, Berthing Barge YRBM-53

3. REQUIREMENTS:

3.1 Replace with new electric winch and anchor shackle, identified in 1.3.2 and 1.3.3, located in 1.2.2, in accordance with 2.2.

3.1.1 Turn over existing electric winch and anchor shackle to the Barge Program representative. Ensure components are secured to a pallet enabling easy freight transit.

(V) (G) "STATIC AND DYNAMIC TEST"

3.1.2 Accomplish the requirements of Test Notes B and C of 2.3 for the static and dynamic test of the newly installed electric hoist and associated accommodation ladder davit located in 1.2.2. Test load shall be 1500 pounds. No cracks, bends, or deformities allowed on the davit and davit welds.

(V) (G) "STATIC AND OPERATIONAL TEST"

3.2 Accomplish the requirements of 2.4 for the static and operational test of the accommodation ladder listed in 1.3, located in 1.2.1.

3.2.1 Submit one legible copy, in hard copy or approved transferrable media, of a completed copy of 2.4 with all recorded data and required signatures to the SUPERVISOR.

(V) (G) "OPERATIONAL TEST USING DAVIT WITH ELECTRIC HOIST"

3.3 Accomplish the requirements of an operational test of the accommodation ladder by using the davit and electric hoist to lift the ladder from a stowed position down to the pier and back again. Acceptance Criteria: No binding, sticking, or strain allowed.

3.4 Install new label plates for the Accommodation Ladder Assembly listed in 1.3.1, in accordance with paragraphs 15.4 of 2.4.

3.4.1 Location of new label plates shall be designated by the SUPERVISOR.

3.5 Remove and scrap unused J-Davit support, located on the aft side of location 1.2.2, as designated by the SUPERVISOR.

3.5.1 Chip and grind surfaces flush and smooth in way of removals.

3.6 Accomplish the requirements of 009-32 of 2.1 for all new and disturbed surfaces.

4. NOTES:

4.1 None

5. GOVERNMENT FURNISHED MATERIAL (GFM) :

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: YRBM 53 (RMC 22807)

ITEM NO: 612-11-001

COAR: 28

PCN: SERV-L020

CMP: NONE

PLANNER: (b) (6)

1. SCOPE:

1.1 Title: Stanchions, Liferails, Lifelines; replace

1.2 Location of Work:

1.2.1 Throughout Exterior

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

2.1 Standard Items, (FY-20)

2.2 804-5184155 Rev A, Liferails, Lifelines, & Awning Stanchions (AL & CRES) Details & L/M

3. REQUIREMENTS:

3.1 Replace with new all exterior existing top, mid, and bottom life railings and life lines with associated stanchions throughout the area listed in 1.2, in accordance with 2.2.

3.1.1 The removal of each stanchions shall include replacement of its associated sole plate.

3.1.2 Chip and grind surfaces flush in way of repairs.

3.1.3 Template exact size, configuration, and location from existing shipboard conditions.

3.2 Accomplish the requirements of 009-12 of 2.1, including Table 3, Columns A and D, Lines One through 7, for new installations.

(V) (G) "STATIC TEST (IN SHOP AND / OR SHIPBOARD)"

3.3 Accomplish the requirements of all applicable Test Notes of 2.2 for new installations. No cracks, deformities, or bends allowed.

3.4 Accomplish the requirements of 009-32 of 2.1 for the new and disturbed surfaces.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM) :

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP:

YRBM 53 (RMC 22807)